Title (en)

A CONTROL SYSTEM FOR CONTROLLING AT LEAST COLLECTIVE PITCH OF ROTOR BLADES OF A MULTI-BLADE ROTOR IN A ROTARY-WING AIRCRAFT

Title (de)

STEUERUNGSSYSTEM ZUR STEUERUNG VON MINDESTENS DER KOLLEKTIVEN BLATTWINKELÄNDERUNG VON ROTORBLÄTTERN EINES MEHRBLATTROTORS IN EINEM DREHFLÜGLER

Title (fr)

SYSTEME DE COMMANDE POUR COMMANDER AU MOINS LE PAS COLLECTIF ET CYCLIQUE DES PALES DE ROTOR D'UN ROTOR A PALES MULTIPLES DANS UN AERONEF A VOILURE TOURNANTE

Publication

EP 3281869 B1 20190417 (EN)

Application

EP 16400034 A 20160811

Priority

EP 16400034 A 20160811

Abstract (en)

[origin: EP3281869A1] The invention is related to a control system 10 for controlling at least collective pitch of rotor blades 1b, 1c of a multi-blade rotor 1a with a rotor shaft 1e in a rotary-wing aircraft 1, said control system 10 comprising a non-rotating sliding sleeve 13 that is mountable to the rotor shaft 1e such that the non-rotating sliding sleeve 13 is axially displaceable coaxially to an associated rotor axis 1f on the rotor shaft 1e, at least one actuator arm 20b that is pivotally mounted to the non-rotating sliding sleeve 13 and adapted for axially displacing the non-rotating sliding sleeve 13 that is mounted to the rotor shaft 1e upon activation, and at least one hinge support 21 that is adapted for a hinged support of the at least one actuator arm 20b.

IPC 8 full level

B64C 27/605 (2006.01)

CPC (source: CN EP KR US)

B64C 27/04 (2013.01 - US); **B64C 27/605** (2013.01 - CN EP KR US)

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DOCDB simple family (application)

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